INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/014628

		1 101701 2	.0047014020	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F16C29/08				
According to Int	ernational Patent Classification (IPC) or to both national	l classification and IPC		
B. FIELDS SE				
Minimum docun Int.Cl	nentation searched (classification system followed by cl F16C29/06-29/08	assification symbols)		
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2005 Ji	oroku Jitsuyo Shinan Koho tsuyo Shinan Toroku Koho	1994-2005 1996-2005	
Electronic data t	pase consulted during the international search (name of o	data base and, where practicable, search to	erms used)	
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
O. C.	JP 6-346919 A (NSK Ltd.), 20 December, 1994 (20.12.94), & US 5494354 A		1-5,7-8 6	
Y	JP 9-317764 A (NSK Ltd.), 09 December, 1997 (09.12.97), Figs. 5, 7 (Family: none)		6	
А	Microfilm of the specification annexed to the request of Jap Model Application No. 29627/1 No. 124328/1992) (NSK Ltd.), 12 November, 1992 (12.11.92), (Family: none)	eanese Utility 991(Laid-open	1-8	
Further documents are listed in the continuation of Box C.				
"A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"P" document published prior to the international filing date but later than the		being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 06 January, 2005 (06.01.05)		Date of mailing of the international search report 25 January, 2005 (25.01.05)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

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INTERNATIONAL SEARCH REPORT

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 91498/1992 (Laid-open No. 51548/1994) (Nippon Thompson Co., Ltd.), 15 July, 1994 (15.07.94), (Family: none)	1-8
A	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 91497/1992(Laid-open No. 51547/1994) (Nippon Thompson Co., Ltd.), 15 July, 1994 (15.07.94), (Family: none)	1-8
÷ €	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 28403/1990(Laid-open No. 118317/1991) (NSK Ltd.), 06 December, 1991 (06.12.91), (Family: none)	1-8
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Mcdel Application No. 61970/1990(Laid-open No. 19918/1992) (NSK Ltd.), 19 February, 1992 (19.02.92), (Family: none)	1-8
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